

TEXAS DEPARTMENT OF INSURANCE

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PRODUCT EVALUATION RC-382

Effective August 1, 2013

*The following product has been evaluated for compliance with the wind loads specified in the **International Residential Code (IRC)** and the **International Building Code (IBC)**. This product shall be subject to reevaluation **August 2017**.*

This product evaluation is not an endorsement of this product or a recommendation that this product be used. The Texas Department of Insurance has not authorized the use of any information contained in the product evaluation for advertising, or other commercial or promotional purpose.

This product evaluation is intended for use by those individuals who are following the design wind load criteria in Chapter 3 of the IRC and Section 1609 of the IBC. The design loads determined for the building or structure shall not exceed the design load rating specified for the products shown in the limitations section of this product evaluation. This product evaluation does not relieve a Texas licensed engineer of his responsibilities as outlined in the Texas Insurance Code, the Texas Administrative Code, and the Texas Engineering Practice Act.

Thin Seam Metal Roofing Panels Over Wood Deck manufactured by

Fabral, Inc.
A Euramax Company
P.O. Box 4608
Lancaster, Pennsylvania 17604-4608
Telephone: (717) 397-2741

will be accepted for use in areas along the Texas Gulf Coast when installed in accordance with the manufacturer's installation instructions and this product evaluation.

PRODUCT DESCRIPTION

The Thin Seam metal roofing panel is a 24 gauge metal roof panel. The metal roofing panels have an actual coverage of 18". The 24 gauge metal roofing panels have a 50,000 psi yield point.

LIMITATIONS

Roof Deck: The Thin Seam metal roofing panels shall be installed over minimum $\frac{1}{2}$ " thick plywood deck.

New Roof Deck Attachment: The wood deck shall meet or exceed the uplift requirements of the International Residential Code or International Building Code and shall be installed as required for resistance to wind loads.

Design Wind Pressures: The design pressure uplift load resistance shall be as specified in Table 1.

Roof Slope: The metal roofing panels may be installed on roofs with a minimum roof slope is 3:12.

Installation Over an Existing Roof Covering: Not permitted.

Table 1
Attachment of 24 gauge Thin Seam metal roofing panels to
Minimum $\frac{1}{2}$ " thick Plywood Deck

Design Wind Pressure	Panel Clip	Clip Spacing Along Panel	Fasteners
-52.5 psf	One part assembly, 3 $\frac{1}{2}$ inches wide x 1 $\frac{3}{4}$ inches high, 18 gauge steel	2'-0" o.c.	Two (2) No. 12-14 x 1 inch long pancake head wood screws per clip

INSTALLATION INSTRUCTIONS

General: The Thin Seam metal roofing panels shall be installed in accordance with the manufacturer's recommended installation instructions and this evaluation report.

Deck: Minimum $\frac{1}{2}$ " thick plywood deck

Underlayment (optional): A minimum of one layer of synthetic underlayment shall be used when installing metal panels over a solid deck. The synthetic underlayment shall be recognized for use as an alternative to Type II underlayment specified in Chapter 9 of the International Residential Code and Chapter 15 of the International Building Code. Underlayment shall be installed with minimum 4 inch horizontal and 6 inch vertical laps. The underlayment shall be applied with corrosion resistant fasteners in accordance with manufacturer's installation instructions

Anchorage: The panels shall be fastened in accordance with Table 1. The fasteners shall be long enough to penetrate completely through the wood structural panels with a minimum exposure of $\frac{1}{4}$ inch below the underside of the wood structural panels.

Trims, Closures, and Accessories: Components, such as the eave trim, rake trim, ridge trim, hip trim, and valley trim shall be installed as required by the manufacturer.

Note: The manufacturer's installation instructions shall be available on the job site during the installation. All fasteners shall be corrosion resistant as specified in the International Residential Code (IRC), the International Building Code (IBC), and the Texas Revisions.